

CLAIMS

1. A file reproduction apparatus for reproducing a file recorded on a recording medium, wherein:

 said file is as a file containing real data and management information used for reproducing said real data;

 said management information is provided for each of blocks composed of a first block and a sequence of subsequent blocks following said first block as blocks of said real data;

 said management information associated with each of said subsequent blocks included in said real data as blocks other than said first block of said real data is provided as information including standard settings and at least some settings taking said standard settings as a reference;

 said management information associated with said first block of said real data is provided as settings corresponding to said standard settings;

 said management information associated with each of said subsequent blocks is modified to settings compatible with said management information associated with said first block; and

 said real data is reproduced on the basis of said

modified management information.

2. The file reproduction apparatus according to
claim 1, wherein:

 said real data is video data and;
 said management information is provided for each
sample corresponding to a frame of said real data.

3. The file reproduction apparatus according to
claim 2, wherein:

 one piece of said management information provided
for a sample is an identification showing that said
sample is a random-accessible sample; and

 on the basis of said identification included in
said modified management information, said reproduction
apparatus selectively reproduces said real data in order
to reproduce said real data at a variable speed.

4. The file reproduction apparatus according to
claim 2, wherein:

 one piece of said management information is
position information corresponding to a reproduction time
of said real data; and

 on the basis of said position information included
in said modified management information, said
reproduction apparatus starts a process to reproduce said
real data in order to commence reproduction of said real

data at a reproduction time indicated by said position information.

5. The file reproduction apparatus according to claim 1, wherein:

 said modified management information associated with a plurality of said blocks is stored in a memory as information necessary for a process to reproduce said real data; and

 said modified management information associated with a block already completing said process to reproduce said real data is deleted from said memory and management information associated with a next block following a plurality of said blocks is modified to settings compatible with said management information associated with said first block, being stored in said memory.

6. The file reproduction apparatus according to claim 5, wherein:

 said modified management information associated with a plurality of said blocks includes boundary information stored in said memory as information showing boundaries between said blocks; and

 said modified management information associated with a block already completing said process to reproduce said real data is deleted from said memory by taking said

boundary information as a reference.

7. The file reproduction apparatus according to claim 1, wherein said modified management information is recorded onto said recording medium and used for creation of another file used for referencing said real data stored in said file as another file having an external reference format.

8. A file reproduction method for reproducing a file recorded on a recording medium, wherein:

 said file is as a file containing real data and management information used for reproducing said real data;

 said management information is provided for each of blocks composed of a first block and a sequence of subsequent blocks following said first block as blocks of said real data;

 said management information associated with each of said subsequent blocks included in said real data as blocks other than said first block of said real data is provided as information including standard settings and at least some settings taking said standard settings as a reference;

 said management information associated with said first block of said real data is provided as settings

corresponding to said standard settings;

 said management information associated with each of said subsequent blocks is modified to settings compatible with said management information associated with said first block; and

 said real data is reproduced on the basis of said modified management information.

9. A program to be executed by a computer as a program implementing a file reproduction method for reproducing a file recorded on a recording medium by execution of a predetermined processing procedure, wherein:

 said file is created to as a file containing real data and management information used for reproducing said real data;

 said management information is provided for each of blocks composed of a first block and a sequence of subsequent blocks following said first block as blocks of said real data;

 said management information associated with each of said subsequent blocks included in said real data as blocks other than said first block of said real data is provided as information including standard settings and at least some settings taking said standard settings as a

reference; and

 said management information associated with said first block of said real data is provided as settings corresponding to said standard settings,

 said processing procedure comprises the steps of:

 modifying said management information associated with each of said subsequent blocks to settings compatible with said management information associated with said first block; and

 reproducing said real data on the basis of said modified management information.

10. A recording medium used for storing a program to be executed by a computer as a program implementing a file reproduction method for reproducing a file recorded on another recording medium by execution of a predetermined processing procedure, wherein:

 said file is created to as a file containing real data and management information used for reproducing said real data;

 said management information is provided for each of blocks composed of a first block and a sequence of subsequent blocks following said first block as blocks of said real data;

 said management information associated with each of

said subsequent blocks included in said real data as blocks other than said first block of said real data is provided as information including standard settings and at least some settings taking said standard settings as a reference; and

 said management information associated with said first block of said real data is provided as settings corresponding to said standard settings; and

 said processing procedure comprises the steps of:

 modifying said management information associated with each of said subsequent blocks to settings compatible with said management information associated with said first block,

 reproducing said real data on the basis of said modified management information.